1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product information

<table>
<thead>
<tr>
<th>Trade name</th>
<th>PARMETOL T 94</th>
</tr>
</thead>
<tbody>
<tr>
<td>Producer/Supplier</td>
<td>Schülke &amp; Mayr GmbH</td>
</tr>
<tr>
<td></td>
<td>Robert-Koch-Str. 2</td>
</tr>
<tr>
<td></td>
<td>22851 Norderstedt</td>
</tr>
<tr>
<td></td>
<td>Germany</td>
</tr>
<tr>
<td></td>
<td>Telephone: +4940521000</td>
</tr>
<tr>
<td></td>
<td>Telefax: +494052100318</td>
</tr>
<tr>
<td></td>
<td><a href="mailto:mail@schuelke-mayr.com">mail@schuelke-mayr.com</a></td>
</tr>
<tr>
<td></td>
<td><a href="http://WWW.SCHUELKE-MAYR.COM">WWW.SCHUELKE-MAYR.COM</a></td>
</tr>
<tr>
<td>Contact person</td>
<td>SAI/AT +49 40 52100 528 or S&amp;M UK +44 114 254 3500</td>
</tr>
<tr>
<td>Emergency telephone number</td>
<td>+49 (0)40 / 52 100 –0</td>
</tr>
<tr>
<td>Application</td>
<td>Preservative</td>
</tr>
</tbody>
</table>

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : (Preparation)

Description : solution

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>EC-No.</th>
<th>Symbol</th>
<th>R-phrase(s)</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tert-butyl hydroperoxide</td>
<td>75-91-2</td>
<td>200-915-7</td>
<td>O, F, C, N</td>
<td>R 7, R10, R20/21/22, R34, R43, R51/53</td>
<td>22 %</td>
</tr>
<tr>
<td>3-Iodo-2-propynyl butylcarbamate</td>
<td>55406-53-6</td>
<td>259-627-5</td>
<td>Xn, N</td>
<td>R20/22, R41, R50</td>
<td>0.8 - 1.2 %</td>
</tr>
</tbody>
</table>

For the full text of the R phrases mentioned in this Section, see Section 16.

3. HAZARDS IDENTIFICATION

Risk advice to man and the environment

ICAO-Labels / Indication of danger:

- C Corrosive
- O Oxidising
- R 7 May cause fire.
- R20 Harmful by inhalation.
- R34 Causes burns.
- R43 May cause sensitization by skin contact.
- R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
4. FIRST AID MEASURES

General advice: Take off all contaminated clothing immediately.
Eye contact: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Skin contact: Wash off immediately with plenty of water.
Inhalation: If symptoms persist, call a physician.
Ingestion: Obtain medical attention.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: water, dry powder, foam, carbon dioxide (CO2)
Extinguishing media which must not be used for safety reasons: No information available.
Specific risk from the substance or the product itself, its combustion products or evolved gases: Decomposition products, see chapter 10

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Ensure adequate ventilation.
Environmental precautions: Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.
Methods for cleaning up: Wipe up with absorbent material (e.g. cloth, fleece). Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

7. HANDLING AND STORAGE

Handling
Safe handling advice: Provide sufficient air exchange and/or exhaust in work rooms. Handle and open container with care.
Advice on protection against fire and explosion: The hot product gives off combustible vapours. Keep away from sources of ignition - No smoking.

Storage
Requirements for storage areas and containers: Store in original container.
Further information: Keep away from direct sunlight. Do not keep the container sealed. Keep container in a well-ventilated place. Limited stability - see label on pack
Advice on common storage: Do not store together with reducing agents. Do not store together with other dangerous substances. Keep away from food and drink.
8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with workplace control parameters
none

Personal protective equipment
Hand protection : impervious gloves
Splash protection: disposable nitrile rubber gloves e.g. Dermatril (Layer thickness: 0,11 mm) made by KCL or gloves from other manufacturers offering the same protection.
Prolonged contact: Butyl rubber gloves e.g. Butoject (>480 Min., Layer thickness: 0,70 mm) made by KCL or gloves from other manufacturers offering the same protection.
Eye protection : tightly fitting safety goggles
Hygiene measures : Take off all contaminated clothing immediately.
Protective measures : Avoid contact with skin and eyes.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance
Form : liquid
Colour : clear
Odour : characteristic

Other data
Flash point : 65 °C
Method: ISO 2719
Vapour pressure : ca.230 hPa at 60 °C
Density : ca.1,01 g/cm³ at 20 °C
Water solubility : 30 g/l at 20 °C
pH : ca.6 - 8 at 2 g/l (20 °C)
flow time : < 15 s at 20 °C
Method: DIN 53211

10. STABILITY AND REACTIVITY

Thermal decomposition : > 80 °C
Hazardous reactions : reaction with acids. Reaction with alkalis (caustic liquors). Reaction with reducing agents and heavy metals.
Hazardous decomposition products : iodine compounds
11. TOXICOLOGICAL INFORMATION

Acute oral toxicity: LD50 rat > 2000 mg/kg
Method: OECD Test Guideline, 401

Skin irritation: rabbit, No skin irritation

Eye irritation: rabbit, Risk of serious damage to eyes.
Method: OECD Test Guideline, 405
Test substance: concentrate

12. ECOLOGICAL INFORMATION

Biodegradability: biodegradable

Chemical Oxygen Demand (COD): 17000 mg/l
Test substance: 1% solution


13. DISPOSAL CONSIDERATIONS

Product: Dispose of as special waste in compliance with local and national regulations. Can be disposed of as a solid waste or burned in a suitable installation subject to local regulations.

Contaminated packaging: Empty containers should be transported/delivered using a registered waste carrier for local recycling or waste disposal.

Waste key for the unused product (Group): The waste producer itself must, in consultation with the appropriate authorities and a waste disposal company, obtain a waste code from the EWC (European Waste Catalogue).

14. TRANSPORT INFORMATION

ADR: UN-No 3109

Class: 5.2
Classification Code: P1
Packaging group: II
ADR/RID-Labels: 5.2 + 8
ICAO-Labels: ORGANIC PEROXIDE, TYPE F, LIQUID (Tert-butyl hydroperoxide)
SAFETY DATA SHEET according to EC directive 91/155/EEC

IMDG : UN-No 3109

Class 5.2
EmS F-J, S-R
Packaging group II
Labels 5.2 + 8
Marine pollutant --
Description of the goods ORGANIC PEROXIDE TYPE F, LIQUID (TERT-BUTYL HYDROPEROXIDE)

IATA : UN-No 3109

Class 5.2
Packaging group II
Description of the goods Organic peroxide type F, liquid (Tert-butyl hydroperoxide)

15. REGULATORY INFORMATION

Hazardous components which must be listed on the label
• Tert-butyl hydroperoxide

Symbol :

Corrosive Oxidising

R-phrase(s) :
R 7 May cause fire.
R20 Harmful by inhalation.
R34 Causes burns.
R43 May cause sensitization by skin contact.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrase(s) :
S 3/7 Keep container tightly closed in a cool place.
S14 Keep away strong acids, alkalis, heavy metals and reducing agents.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
National legislation

VOC-Content : 79 %
Directives 1999/13 /EC on the limitation of emissions of volatile organic compounds

VOC-Content : none, Switzerland. VOC Ordinance, Annex II (Products)

16. OTHER INFORMATION

Application : Information on uses can be found in a separate preparation / product brochure.

Text of R phrases mentioned in Section 2
R 7 May cause fire.
R10 Flammable.
R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
R20/22 Harmful by inhalation and if swallowed.
R34 Causes burns.
R41 Risk of serious damage to eyes.
R43 May cause sensitization by skin contact.
R50 Very toxic to aquatic organisms.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

The information given is only of use for possible safety requirements and is based on our actual knowledge. This information does not guarantee any properties. It is the responsibility of the receiver / user of our products to follow existing laws and regulations.

Changes compared with the previous edition!!!